

WHAT IS CLAIMED IS:

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AB
1. A system comprising:
2 a communications engine for establishing a communications
3 link with a client;
4 security means coupled to the communications engine for
5 determining client privileges;
6 a servlet host engine coupled to the security means for
7 providing to the client, based on the client privileges, an applet
8 which enables I/O with a secured service; and
9 a key safe for storing a key which enables access to the secured
10 service.

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H2
1. The system of claim 1, wherein the communications engine
2 uses SSL technology to create a secure communications link with the
3 client.

1. The system of claim 1, wherein communications engine
2 negotiates an encryption protocol for transferring messages to and
3 from the client.

1 4. The system of claim 1, wherein the communications engine
2 uses public key certificates for transferring messages to and from the
3 client.

1 5. The system of claim 1, wherein the security means uses public
2 key certificates to authenticate the client.

1 6. The system of claim 1, wherein the security means examines
2 client identity and the level of authentication to determine client
3 privileges.

1 7. The system of claim 1, wherein the security means examines a
2 global certificate to authenticate the client.

1 8. The system of claim 1, wherein the security means uses digital
2 signature technology to authenticate the client.

1 9. The system of claim 1, wherein the servlet host engine
2 forwards to the client a security applet for enabling the client to
3 perform a security protocol recognized by the security means.

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1 10. The system of claim 1, wherein the service is secured by a
2 corporate firewall and the key is configured to enable communication
3 through the firewall.

1 11. The system of claim 1, further comprising a global firewall for
2 protecting the system.

1 12. The system of claim 1, further comprising a service address for
2 identifying the location of the secured service.

1 13. The system of claim 1, wherein the applet provides to the
2 client a direct connection with the secured service.

1 14. The system of claim 1, further comprising a proxy in
2 communication with the secured service, and wherein the applet
3 enables I/O with the proxy.

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1 15. A method comprising the steps of:
2 establishing a communications link with a client;
3 determining client privileges;
4 providing to the client, based on the client privileges, an applet
5 which enables I/O with a secured service; and
6 retrieving a key which enables access to the secured service.

1 16. The method of claim 15, wherein establishing a
2 communications link includes the step of using SSL technology to
3 create a secure communications link with the client.

1 17. The method of claim 15, wherein establishing a
2 communications link includes the step of negotiating an encryption
3 protocol for transferring messages to and from the client.

1 18. The method of claim 15, wherein establishing a
2 communications link includes the step of using public key certificates
3 for transferring messages to and from the client.

1 19. The method of claim 15, wherein determining client privileges
2 includes the step of using public key certificates to authenticate the
3 client.

1 20. The method of claim 15, wherein determining client privileges
2 includes the step of examining client identity and the level of
3 authentication to determine client privileges.

1 21. The method of claim 15, wherein determining client privileges
2 includes the step of examining a global certificate to authenticate the
3 client.

1 22. The method of claim 15, wherein determining client privileges
2 includes the step of using digital signature technology to authenticate
3 the client.

1 23. The method of claim 15, wherein establishing a
2 communications link includes forwarding to the client a security
3 applet for enabling the client to perform a recognized security
4 protocol.

1 24. The method of claim 15, further comprising the step of using
2 the key to communicate through a firewall to the secured service.

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1 25. The method of claim 15, wherein the method is performed by a
2 global server and further comprising using a global firewall to
3 protect the global server.

1 26. The method of claim 15, further comprising using a service
2 address to identify the location of the secured service.

1 27. The method of claim 15, wherein providing includes the step of
2 providing to the client a direct connection with the secured service.

1 28. The method of claim 15, further comprising using a proxy in
2 communication with the secured service, and wherein providing
3 includes enabling I/O with the proxy.

1 29. A system comprising:
2 means for establishing a communications link with a client;
3 means for determining client privileges;
4 means for providing to the client, based on the client privileges,
5 an applet which enables I/O with a secured service; and
6 means for retrieving a key which enables access to the secured
7 service.

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- 1 30. A computer-based storage medium storing a program for
2 causing a computer to perform the steps of:
3 establishing a communications link with a client;
4 determining client privileges;
5 providing to the client, based on the client privileges, an applet
6 which enables I/O with a secured service; and
7 ~~retrieving a key which enables access to the secured service.~~

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